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SUBSTITUTE PTOL-413A (OS-OS)

Applicant Initiated Interview Request Form

Application No. : 09/616,787 First Named Applicant: David F. Engler
 Examiner: A.K. Chakrabarti Art unit: 1634 Status of Application: Pending
Tentative Participants:
 (1) Examiner Chakrabarti (2) Louis Myers (Reg. No. 35,965)
 (3) Ramon Tabtiang (4) _____

Proposed Date of Interview: 5 Nov. 2003

Proposed Time: 1:30 PM

Type of Interview Requested:(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video ConferenceExhibit To Be Shown or Demonstrated: ☒ YES ☐ NO

if yes, provide brief description:

Drawings

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) Rej.	all	Coull, Dellinger Sorge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Continuation Sheet Attached**Brief Description of Arguments to be Presented:**

An interview was conducted on the above-identified application on _____

NOTE:

This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.


 (Applicant/Applicant's Representative Signature)


 (Examiner/APE Signature)

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Date November 5, 2003

To Examiner Arun Chakrabarti
US Patent and Trademark Office

Facsimile number 1-703-746-4979

From Louis Myers

Re 09/616,787

Number of pages
including this page 7

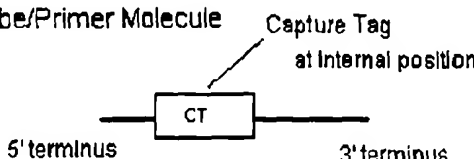
Message Materials for interview scheduled this afternoon

NOTE: This facsimile is intended for the addressee only and may contain privileged or confidential information. If you have received this facsimile in error, please immediately call us collect at 617 542-5070 to arrange for its return. Thank you.

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The schematic below illustrates how derivative molecules can be generated from a probe/primer molecule in one embodiment of the invention -- the capture tag moves from an internal position to a terminal position, e.g., by virtue of cleaving the strand.

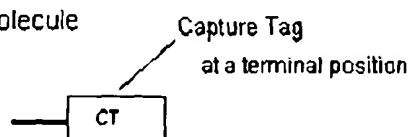
Before: Probe/Primer Molecule



Capture Tag
at internal position

5' terminus 3' terminus

After: Derivative Molecule

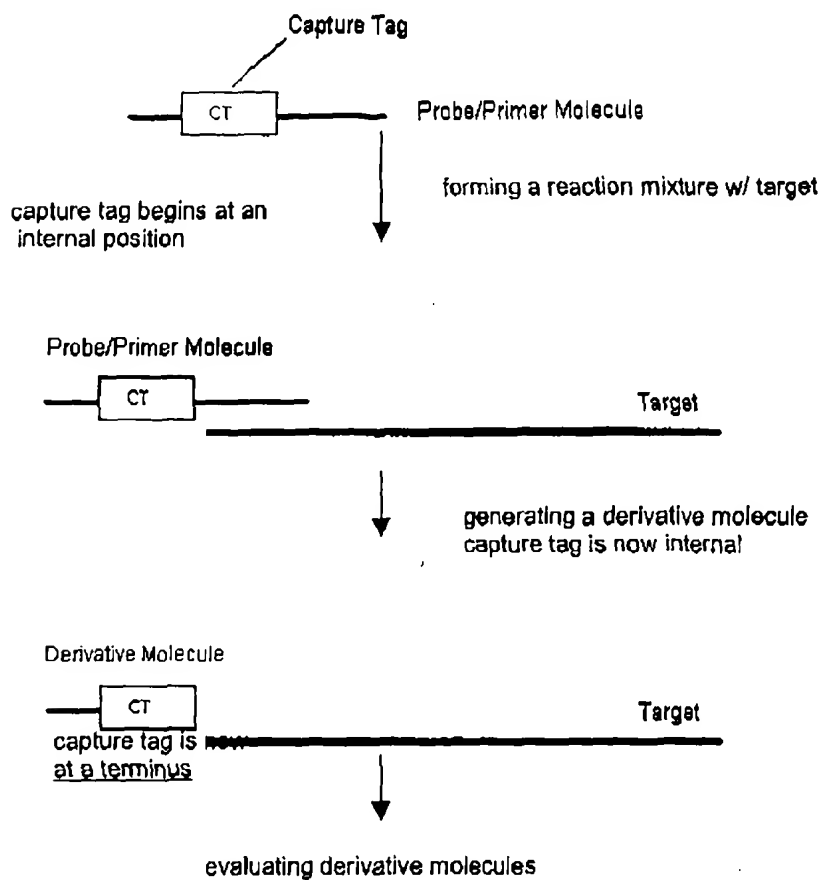


Capture Tag
at a terminal position

It is then possible, for example, to hybridize the capture tag to a capture probe.

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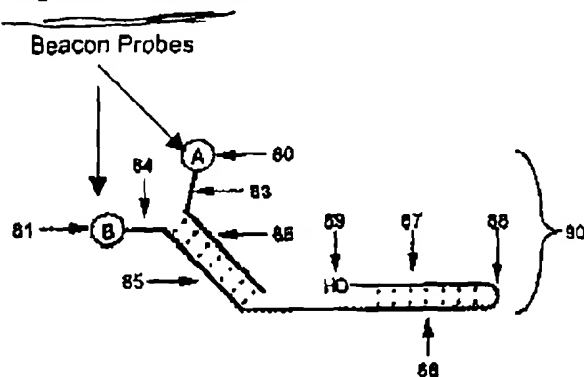
The following is an exemplary method:



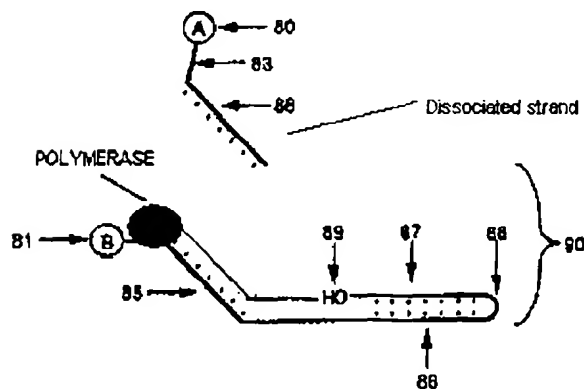
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Coull ('942 pat nt)

Fig. 20A of '934 patent is as follows:

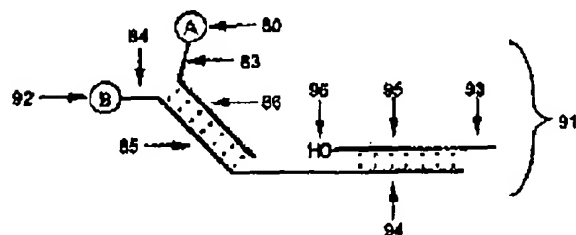


The above complex can be used to detect an enzymatic activity (see, e.g., column 30, lines 58-65) as follows:

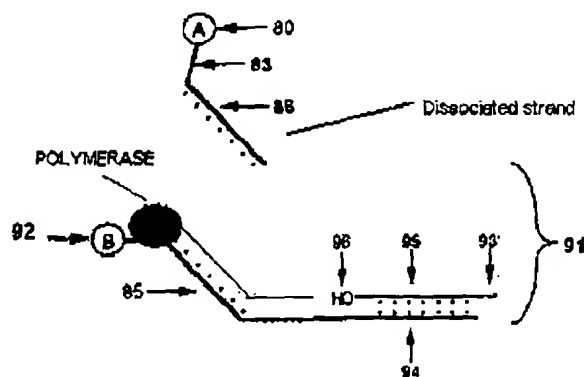


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FIG. 20B is as follows.



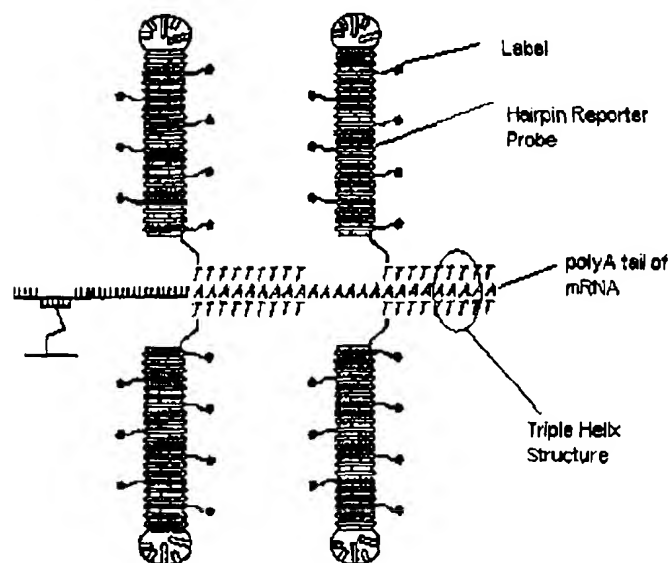
The specification (e.g., column 31, lines 11-15) clarifies that this is a variant of 20A:



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Dellinger ('474 patent)

Fig. 6 of the '474 patent is as follows:



This figure is described at 9:45-47:

FIG. 6 illustrates an example of the use of a hairpin-type reporter probe in the triple helix assay of this invention.

Compare the description of Fig. 5 at 7:25-29:

This is illustrated in FIG. 5. In FIG. 5, multiple reporter probes having loligo-dT [sk] sequences 50 are bound to the same poly-A sequence of the captured target analyte 52 to form a triple helix structure 54.